FIG. 1

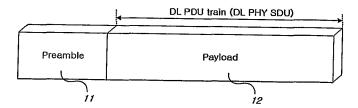


FIG. 2

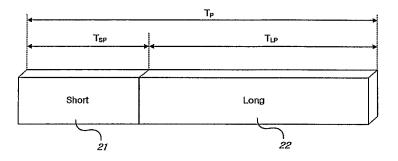


FIG. 3

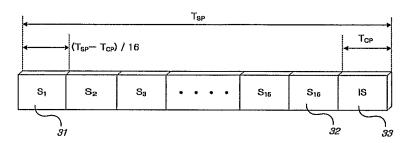


FIG. 4

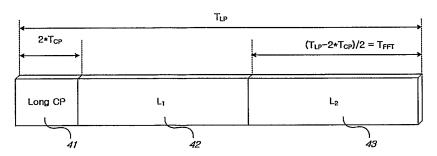


FIG. 5

parameter	value	
T _P : PLCP Preamble Period	6.8μs (= T _{SP} + T _{LP})	
T _{CP} : Cycle prefix period	0.133μs (= T _U /16)	
T _{SHORT} : Short training sequence period	2.27µs	
T LONG: Long training sequence period	4.53μs	

Frame detection detection detection detection detection

FIG. 6

FIG. 7

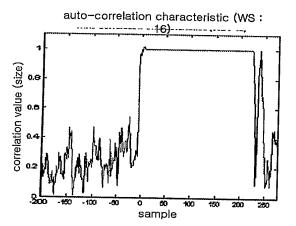


FIG. 8

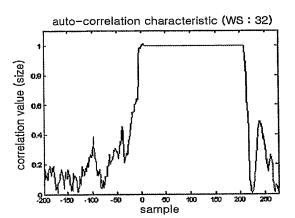


FIG. 9

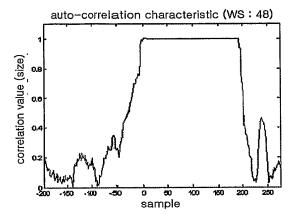
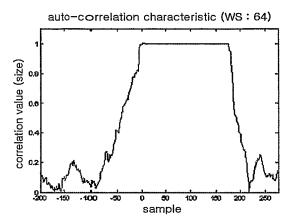
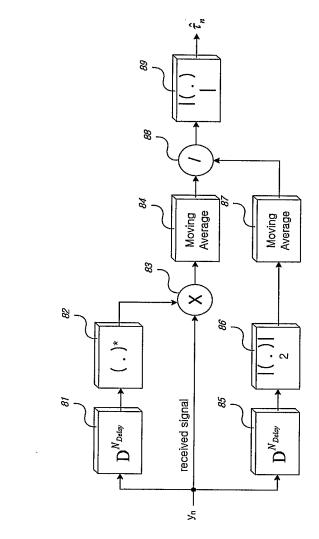


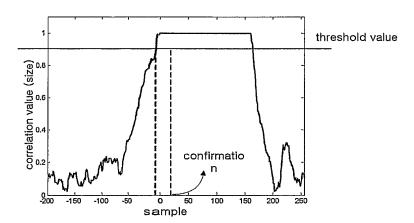
FIG. 10

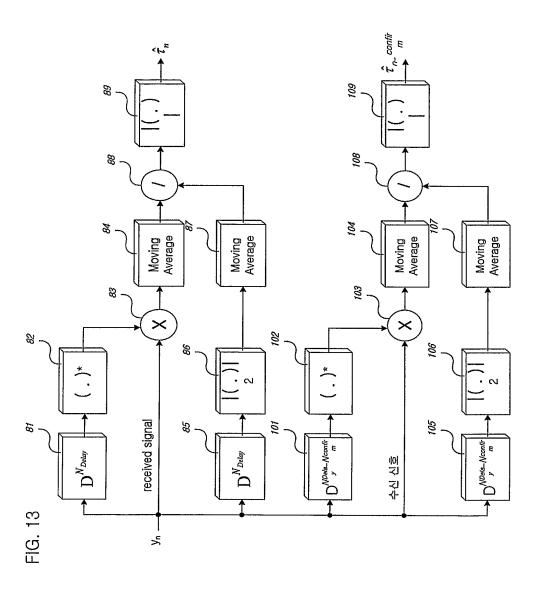




<u>-1</u>

FIG. 12





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Frame detection

Frame

7G. 14

FIG. 15

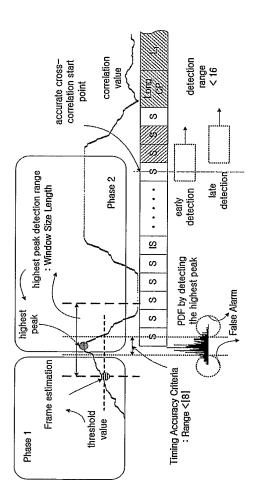


FIG. 16

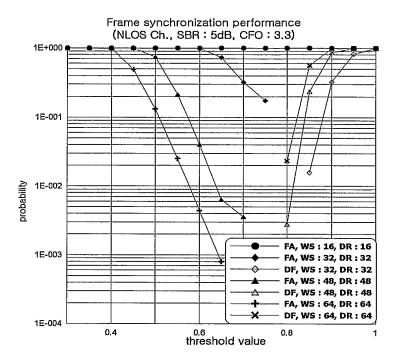


FIG. 17

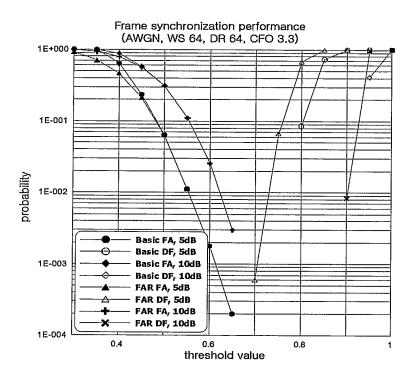


FIG. 18

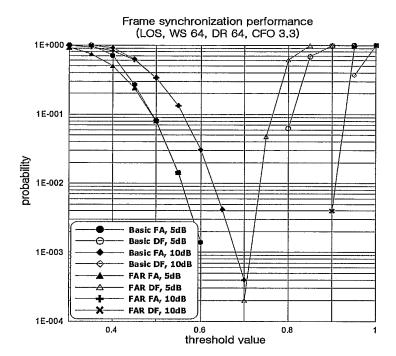


FIG. 19

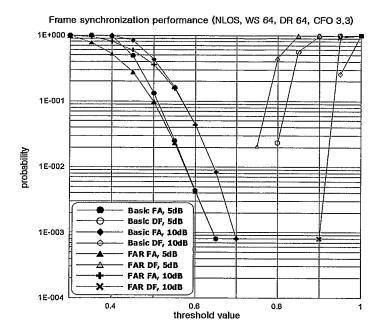


FIG. 20

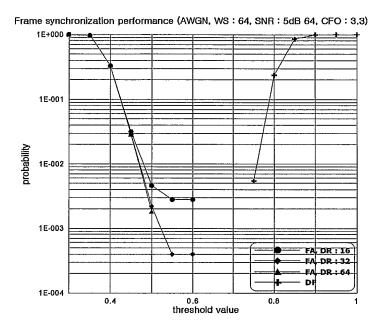


FIG. 21

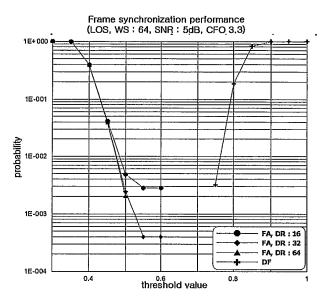


FIG. 22

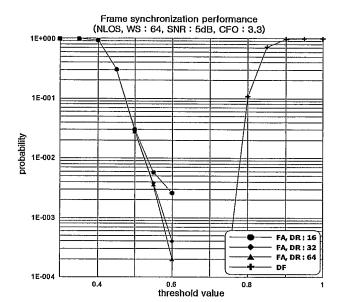


FIG. 23

		method I		metho	d 2 (detection i	ange) :
channel	Threshold	ijasjo fa lgisk	DF	Threshold	FA	DF P
AWGN	0.65	2.000*104	<2.000*10-4		2.800*10-3	<2.000*104
LOS		<2.000*104	<2.000*104	0.60	2.800*10-3	<2.000*104
NLOS		8.000*104	<2.000*10-4	 	2.600*10-3	<2.000*104

FIG. 24

channel	ga jiddiga jari	method 1		metho	d 2 (detection	range)
Channel	Threshold	FA	Par Devial	Threshold		DF##
AWGN	0.65	2.000*104	<2.000*104		4.000*104	<2.000*104
LOS		<2.000*10-4	<2.000*104	0.60	4.000*10-	<2.000*104
NLOS		8.000*10-4	<2.000*104		4.000*10-4	<2.000*104